Inspiring Innovation • Persistent Perfection

Crosshair V Formula

World's best AMD gaming motherboard with 3-Way SLI/CrossFireX support

- 3-Way NVIDIA® SLI™ / AMD CrossFireX™ Technology
- Extreme Engine Digi+ - Powerful combination of analog and digital design elements
- SupremeFX X-Fi 2 - Play with ultra-real cinematic in-game surround sound!
- GameFirst - Creates the speed you need to PWN!
- Intel® Gigabit LAN - Experience the fast network connectivity!
- UEFI BIOS - Flexible & Easy BIOS Interface

The Republic of Gamers consists only the best of the best. We offer the best hardware engineering, the fastest performance, the most innovating ideas, and we welcome the best gamers to join in.

In the Republic of Gamers, mercy rules are only for the weak, and bragging rights means everything. We believe in making statements and we excel in competitions. If your character matches our trait, then join the elite club, make your presence felt, in the Republic of Gamers.

REPUBLIC OF GAMERS

CPU Feature

FX™/Phenom™ II/Athlon™ II/ Sempron™ 100 Series Processors (AM3+ CPU)

This motherboard supports latest AMD Socket AM3+ multi-core processors with up to 8 native CPU cores and delivers better overclocking capabilities with less power consumption. It features AMD Turbo CORE Technology 2.0 and accelerates data transfer rate up to 5200MT/s via HyperTransport™ 3.0 based system bus. This motherboard also supports AMD CPUs in the new 32nm manufacturing process.

Chipset Feature

AMD 990FX Chipset

AMD 990FX Chipset is designed to support up to 5.2GT/s HyperTransport™ 3.0 (HT 3.0) interface speed and dual PCI Express™ 2.0 x16 graphics. It is optimized with AMD latest AM3+ and multi-core CPUs to provide excellent system performance and overclocking capabilities.

9-SERIES CHIPSET AMD

Multi-GPU Technology

SLI/CrossFireX On-Demand

Why choose when you can have both?
SLI or CrossFireX? Fret no longer because with the ROG Crosshair V Formula, you´ll be able to run both multi-GPU setups. The board features SLI/CrossFireX on Demand technology, supporting SLI or CrossFireX configuration. Whichever path you take, you can be assured of jaw-dropping graphics at a level previously unseen.

Memory Feature

DDR3 2133(O.C.) Support

This motherboard supports DDR3 2133(O.C.) that provides faster data transfer rate and more bandwith to increase memory computing efficiency, enhancing system performance in 3D graphics and other memory demanding applications.

Sound with Clarity

SupremeFX X-Fi 2

Play with ultra-real cinematic in-game surround sound!
SupremeFX X-Fi 2 delivers incredible gaming audio experiences to ROG die hards. It features EAX 5.0 and OpenAL for ultra-real cinematic in-game audio. It even comes with THX TruStudio PRO branding, which makes games, music and movies sound way better! SupremeFX X-Fi 2 also implements gold-plated jacks and high quality capacitors to ensure high definition adventures in audio.

ROG Exclusive Features

Extreme Engine Digi+

Powerful combination of analog and digital design elements
Extreme Engine Digi+ equipped with high performance digital VRM design can easily achieve the ultimate performance with adjustable CPU PWM frequency. It expedites heat dissipation and achieves better electric conduction keeping critical components reliable. Now you'll be able to push your spanking new CPU to the limit, hitting benchmark scores that others only dream of. Extreme Engine Digi+ balances the need for voltage and the desire for rock solid performance to bring the ultimate user experience.

ROG Connect

Plug and Overclock - Tweak it the hardcore way!
Monitor the status of your desktop PC and tweak its parameters in real-time via a notebook—just like a race car engineer—with ROG Connect. ROG Connect links your main system to a notebook through a USB cable, allowing you to view real-time POST code and hardware status readouts on your notebook, as well as make on-the-fly parameter adjustments at a purely hardware level.

GameFirst

The speed you need to pwn
Low Internet latency allows you to frag more, and get fragged less. That's why ROG has introduced GameFirst, a feature that manages the flow of traffic according to your needs so that you can still listen to online music, download and upload files, and engage in Internet chats without sacrificing the low ping times you need to pwn your opponents.

CPU Level Up

A simple click for instant upgrade!
Ever wish that you could have a more expansive CPU? Upgrade your CPU at no additional cost with ROG's CPU Level Up! Simply pick the processor you wanted to OC to, and the motherboard will do the rest! See the new CPU speed and enjoy that performance instantly. Overclocking is never as easy as this.

GPU.DIMM Post

Easily check the status of your graphics cards and memory in the BIOS!
Notice potential problems even before you enter the OS! Overclockers can save valuable minutes in detecting component failure under extreme conditions. With GPU.DIMM Post, quickly and easily check your graphics cards and memory DIMMs status in the BIOS, potentially keeping that record-breaking overclock!

BIOS Print

One click, easily share your BIOS settings
ROG offers a whole new EFI BIOS feature to handle the demands of an overclocking experience. Crosshair V Formula features ROG BIOS Print which allows users to easily share their BIOS settings to others with the press of a button. The days of using a camera to take BIOS screenshot are over.

ROG Bundled

ROG CPU-Z

Whole new design of CPU-Z
ROG CPU-Z is a customized ROG version authorized by CPUID. It has the same functionality and credibility as the original version, with a unique design. Use the whole new look of ROG CPU-Z to truly report your CPU related information and your uniqueness.

Kaspersky® Anti-Virus

The best protection from viruses and spyware
Kaspersky® Anti-Virus Personal offers premium antivirus protection for individual users and home offices. It is based on advanced antivirus technologies. The product incorporates the Kaspersky® Anti-Virus engine, which is renowned for malicious program detection rates that are among the industry's highest.

DAEMON Tools Pro Standard

The real tool for optical and virtual discs
DAEMON Tools Pro offers essential functionality to backup CD, DVD and Blu-ray discs. It converts optical media into virtual discs and emulates devices to work with the virtual copies. DAEMON Tools Pro organizes data, music, video and photo collections on a PC, notebook or netbook.

Other Features

Intel Gigabit LAN

Experience the fast network connectivity!
The LAN solution from Intel has been long known to have a better throughput, lower CPU utilization as well as better stability. With the Intel Gigabit LAN solution onboard, the ultimate network experience can therefore be delivered to its users like never before.

Intel® Ethernet

Specifications

CPU	AMD AM3+ FX™/Phenom™ II/Athlon™ II/Sempron™ 100 Series Processors Supports AM3+ 32 nm CPU Supports CPU up to 8 cores Supports CPU up to 140 W AMD Cool 'n' Quiet™ Technology
Chipset	AMD 990FX/SB950
Memory	4 x DIMM, Max. 32GB, DDR3 2133(O.C.)/2000(O.C.)/1800(O.C.)/1600/1333/1066 Hz ECC, Non-ECC, Un-buffered Memory

	Dual Channel Memory Architecture * Refer to www.asus.com or user manual for the Memory QVL (Qualified Vendors Lists). * Due to OS limitation, when installing total memory of 4GB capacity or more, Windows® 32-bit operation system may only recognize less than 3GB. Install a 64-bit Windows® OS when you want to install 4GB or more memory on the motherboard.
Multi-GPU Support	Supports NVIDIA® 3-Way SLI™ Technology Supports AMD 3-Way CrossFireX™ Technology
Expansion Slots	3 x PCIe 2.0 x16 (dual x16 or x16, x8, x8) 1 x PCIe 2.0 x16 (x4 mode) 1 x PCIe 2.0 x1 1 x PCI
Storage	**AMD SB950 controller :** 6 x SATA 6Gb/s port(s), red Support Raid 0, 1, 5, 10 **ASMedia® ASM1061 controller :** 1 x SATA 6Gb/s port(s), red 1 x eSATA 6Gb/s port(s), red
LAN	Intel®, 1 x Gigabit LAN Controller
Audio	SupremeFX X-Fi 2 built-in 8-Channel High Definition Audio CODEC - Supports : Jack-detection, Multi-streaming, Front Panel Jack-retasking **Audio Feature :** - X-Fi® Xtreme Fidelity™ - EAX® Advanced™ HD 5.0 - THX® TruStudio PRO™ - Creative ALchemy - Blu-ray audio layer Content Protection - Optical S/PDIF out port(s) at back panel
USB Ports	**ASMedia® USB 3.0 controller :** 6 x USB 3.0 port(s) (4 at back panel, blue, 2 at mid-board) **AMD SB950 controller :** 12 x USB 2.0 port(s) (8 at back panel, black+white, 4 at mid-board)
Overclocking Features	**ROG Connect :** - RC Diagram - RC Remote - RC Poster - GPU TweakIt **Extreme Engine Digi+ :** - 8 + 2 phase power design **UEFI BIOS features :** - ROG BIOS Print - GPU.DIMM Post **GameFirst** **iROG** **Extreme Tweaker** **Overclocking Protection :** - COP EX (Component Overheat Protection - EX) - Voltiminder LED - ASUS C.P.R.(CPU Parameter Recall)
Special Features	**ASUS TPU :** - CPU Level UP **Core Unlocker** **ASUS Exclusive Features** : - MemOK! - AI Charger+ **ASUS Quiet Thermal Solution** : - ASUS Fan Xpert **ASUS EZ DIY :** - ASUS Q-Shield - ASUS O.C. Profile - ASUS EZ Flash 2 - ASUS MyLogo 3 **ASUS Q-Design :** - ASUS Q-LED (CPU, DRAM, VGA, Boot Device LED) - ASUS Q-Connector
Back I/O Ports	1 x PS/2 keyboard/mouse combo port(s) 1 x eSATA 6Gb/s 1 x LAN (RJ45) port(s) 4 x USB 3.0 8 x USB 2.0 (white port can be switched to ROG Connect) 1 x Optical S/PDIF out 6 x Audio jack(s) 1 x Clear CMOS button(s)
Internal I/O Ports	1 x USB 3.0 connector(s) support(s) additional 2 USB 3.0 port(s) 2 x USB 2.0 connector(s) support(s) additional 4 USB 2.0 port(s)

	7 x SATA 6Gb/s connector(s) 2 x CPU Fan connector(s) 3 x Chassis Fan connector(s) 3 x Optional Fan connector(s) 1 x S/PDIF out header(s) 1 x 24-pin EATX Power connector(s) 1 x 8-pin ATX 12V Power connector(s) 1 x 4-pin ATX 12V Power connector(s) 1 x Front panel audio connector(s) (AAFP) 1 x System panel(s) 8 x ProbeIt Measurement Points 3 x Thermal sensor connector(s) 1 x En/Dis-able Clr CMOS header(s) 1 x EZ Plug connector(s) (4-pin Molex power connector) 1 x Power-on button(s) 1 x Reset button(s) 1 x CPU Level Up button(s) 1 x ROG Connect switch(es) 1 x Go Button(s)
Accessories	User's manual I/O Shield 6 x SATA 6Gb/s cable(s) 1 x 3-Way SLI bridge(s) 1 x SLI bridge(s) 1 x CrossFire cable(s) 1 x Q-connector(s) (2 in 1) 1 x ROG Connect cable(s) 1 x Cable ties pack(s) 1 x ROG theme label(s) 1 x 12 in 1 ROG Cable Label(s)
BIOS	32Mb Flash ROM, UEFI BIOS, PnP, DMI2.0, WfM2.0, SM BIOS 2.5, ACPI2.0a, Multi-Language BIOS
Manageability	WOL by PME, WOR by PME, PXE
Support Disc	Drivers Sound Blaster® X-Fi 2 Utility Kaspersky® Anti-Virus DAEMON Tools Pro Standard ROG CPU-Z ASUS Utilities
Form Factor	ATX Form Factor 12 inch x 9.6 inch (30.5 cm x 24.4 cm)